

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
(customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ti.	0

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L12

### Search History

DATE: Friday, January 13, 2006 [Printable Copy](#) [Create Case](#)

Set  
Name Query  
 side by  
 side

Hit Set  
Count Name  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L12 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ti. 0 L12

L11 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ab. 0 L11

L10 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).clm. 0 L10

DB=USPT; PLUR=YES; OP=OR

L9 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).clm. 0 L9

L8 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ab. 0 L8

L7 (customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ti. 0 L7

<u>L6</u>	customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$	67	<u>L6</u>
<u>L5</u>	6457010.pn.	1	<u>L5</u>
<u>L4</u>	6205653.pn.	1	<u>L4</u>
<u>L3</u>	L2 6205653.pn.	8	<u>L3</u>
<u>L2</u>	L1 and (coby.xa.)	7	<u>L2</u>
<u>L1</u>	consumer with profil\$	809	<u>L1</u>

END OF SEARCH HISTORY

# Refine Search

## Search Results -

Terms	Documents
6457010.pn.	1

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L5

**Refine Search****Recall Text****Clear****Interrupt**

## Search History

**DATE: Friday, January 13, 2006** [Printable Copy](#) [Create Case](#)**Set Name** **Query****Hit Count** **Set Name**

side by side result set

*DB=USPT; PLUR=YES; OP=OR*

<u>L5</u>	6457010.pn.	1	<u>L5</u>
<u>L4</u>	6205653.pn.	1	<u>L4</u>
<u>L3</u>	L2 6205653.pn.	8	<u>L3</u>
<u>L2</u>	L1 and (coby.xa.)	7	<u>L2</u>
<u>L1</u>	consumer with profil\$	809	<u>L1</u>

**END OF SEARCH HISTORY**

# Refine Search

## Search Results -

Terms	Documents
(customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).clm.	0

<b>Database:</b> <div style="border: 1px solid black; padding: 5px; width: 300px; height: 150px; overflow: auto;">         US Pre-Grant Publication Full-Text Database          US Patents Full-Text Database          US OCR Full-Text Database          EPO Abstracts Database          JPO Abstracts Database          Derwent World Patents Index          IBM Technical Disclosure Bulletins       </div>	<b>Search:</b> <div style="border: 1px solid black; padding: 5px; width: 300px; height: 100px; margin-top: 10px;"></div>	
<input style="border: 1px solid black; padding: 2px; width: 100px; height: 20px;" type="button" value="Recall Text"/>	<input style="border: 1px solid black; padding: 2px; width: 100px; height: 20px;" type="button" value="Clear"/>	<input style="border: 1px solid black; padding: 2px; width: 100px; height: 20px;" type="button" value="Interrupt"/>

## Search History

DATE: Friday, January 13, 2006 [Printable Copy](#) [Create Case](#)

<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side				result set
DB=USPT; PLUR=YES; OP=OR				
<u>L9</u>		(customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).clm.	0	<u>L9</u>
<u>L8</u>		(customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ab.	0	<u>L8</u>
<u>L7</u>		(customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$).ti.	0	<u>L7</u>
<u>L6</u>		customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$	67	<u>L6</u>
<u>L5</u>		6457010.pn.	1	<u>L5</u>
<u>L4</u>		6205653.pn.	1	<u>L4</u>
<u>L3</u>		L2 6205653.pn.	8	<u>L3</u>
<u>L2</u>		L1 and (coby.xa.)	7	<u>L2</u>
<u>L1</u>		consumer with profil\$	809	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[First](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

### Search Results - Record(s) 1 through 10 of 67 returned.

#### 1. Document ID: US 6983288 B1

L6: Entry 1 of 67

File: USPT

Jan 3, 2006

US-PAT-NO: 6983288

DOCUMENT-IDENTIFIER: US 6983288 B1

TITLE: Multiple layer information object repository

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Draw Desc](#) [Image](#)

#### 2. Document ID: US 6963575 B1

L6: Entry 2 of 67

File: USPT

Nov 8, 2005

US-PAT-NO: 6963575

DOCUMENT-IDENTIFIER: US 6963575 B1

TITLE: Enhanced data switching/routing for multi-regional IP over fiber network

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Draw Desc](#) [Image](#)

#### 3. Document ID: US 6957186 B1

L6: Entry 3 of 67

File: USPT

Oct 18, 2005

US-PAT-NO: 6957186

DOCUMENT-IDENTIFIER: US 6957186 B1

TITLE: System method and article of manufacture for building, managing, and supporting various components of a system

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Draw Desc](#) [Image](#)

#### 4. Document ID: US 6931429 B2

L6: Entry 4 of 67

File: USPT

Aug 16, 2005

US-PAT-NO: 6931429

DOCUMENT-IDENTIFIER: US 6931429 B2

TITLE: Adaptable wireless proximity networking

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Draw Desc](#) [Image](#)

## □ 5. Document ID: US 6871186 B1

L6: Entry 5 of 67

File: USPT

Mar 22, 2005

US-PAT-NO: 6871186

DOCUMENT-IDENTIFIER: US 6871186 B1

TITLE: System and method for dynamic profiling of users in one-to-one applications and for validating user rules

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 6. Document ID: US 6868525 B1

L6: Entry 6 of 67

File: USPT

Mar 15, 2005

US-PAT-NO: 6868525

DOCUMENT-IDENTIFIER: US 6868525 B1

TITLE: Computer graphic display visualization system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 7. Document ID: US 6850252 B1

L6: Entry 7 of 67

File: USPT

Feb 1, 2005

US-PAT-NO: 6850252

DOCUMENT-IDENTIFIER: US 6850252 B1

TITLE: Intelligent electronic appliance system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 8. Document ID: US 6842906 B1

L6: Entry 8 of 67

File: USPT

Jan 11, 2005

US-PAT-NO: 6842906

DOCUMENT-IDENTIFIER: US 6842906 B1

TITLE: System and method for a refreshable proxy pool in a communication services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 9. Document ID: US 6839680 B1

L6: Entry 9 of 67

File: USPT

Jan 4, 2005

US-PAT-NO: 6839680

DOCUMENT-IDENTIFIER: US 6839680 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Internet profiling

Full	Title	Citation	Front	Review	Classification	Date	Reference	...	...	...	...	Claims	KMC	Draw Desc	Image
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**□ 10. Document ID: US 6742015 B1**

L6: Entry 10 of 67

File: USPT

May 25, 2004

US-PAT-NO: 6742015

DOCUMENT-IDENTIFIER: US 6742015 B1

TITLE: Base services patterns in a netcentric environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	...	...	...	...	Claims	KMC	Draw Desc	Image
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Terms

Documents

customer near5 profile\$ and character\$ and vector\$  
and (unique near3 id or unique near3 identif\$) and  
purchas\$ and product\$

67

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[First Hit](#) [Clear](#)[Generate Collection](#)[Print](#)[Two Refs](#)[Bkwd Refs](#)[Generate OACS](#)

### Search Results - Record(s) 11 through 20 of 67 returned.

#### 11. Document ID: US 6721729 B2

L6: Entry 11 of 67

File: USPT

Apr 13, 2004

US-PAT-NO: 6721729

DOCUMENT-IDENTIFIER: US 6721729 B2

TITLE: Method and apparatus for electronic file search and collection

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 12. Document ID: US 6721713 B1

L6: Entry 12 of 67

File: USPT

Apr 13, 2004

US-PAT-NO: 6721713

DOCUMENT-IDENTIFIER: US 6721713 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Business alliance identification in a web architecture framework

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 13. Document ID: US 6715145 B1

L6: Entry 13 of 67

File: USPT

Mar 30, 2004

US-PAT-NO: 6715145

DOCUMENT-IDENTIFIER: US 6715145 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Processing pipeline in a base services pattern environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 14. Document ID: US 6711585 B1

L6: Entry 14 of 67

File: USPT

Mar 23, 2004

US-PAT-NO: 6711585

DOCUMENT-IDENTIFIER: US 6711585 B1

TITLE: System and method for implementing a knowledge management system

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

15. Document ID: US 6661882 B1

L6: Entry 15 of 67

File: USPT

Dec 9, 2003

US-PAT-NO: 6661882

DOCUMENT-IDENTIFIER: US 6661882 B1

TITLE: System and method for automated telephone message routing using an altered ANI

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>			<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 16. Document ID: US 6640249 B1

L6: Entry 16 of 67

File: USPT

Oct 28, 2003

US-PAT-NO: 6640249

DOCUMENT-IDENTIFIER: US 6640249 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Presentation services patterns in a netcentric environment

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>			<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 17. Document ID: US 6640244 B1

L6: Entry 17 of 67

File: USPT

Oct 28, 2003

US-PAT-NO: 6640244

DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>			<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 18. Document ID: US 6640238 B1

L6: Entry 18 of 67

File: USPT

Oct 28, 2003

US-PAT-NO: 6640238

DOCUMENT-IDENTIFIER: US 6640238 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Activity component in a presentation services patterns environment

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>			<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 19. Document ID: US 6636242 B2

L6: Entry 19 of 67

File: USPT

Oct 21, 2003

US-PAT-NO: 6636242

DOCUMENT-IDENTIFIER: US 6636242 B2

TITLE: View configurer in a presentation services patterns environment

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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 20. Document ID: US 6629081 B1

L6: Entry 20 of 67

File: USPT

Sep 30, 2003

US-PAT-NO: 6629081

DOCUMENT-IDENTIFIER: US 6629081 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Account settlement and financing in an e-commerce environment

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate CACS](#)

Terms

Documents

customer near5 profile\$ and character\$ and vector\$  
and (unique near3 id or unique near3 identif\$) and  
purchass\$ and product\$

67

**Display Format:**  [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[First Hit](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

### Search Results - Record(s) 21 through 30 of 67 returned.

#### 21. Document ID: US 6615253 B1

L6: Entry 21 of 67

File: USPT

Sep 2, 2003

US-PAT-NO: 6615253

DOCUMENT-IDENTIFIER: US 6615253 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Efficient server side data retrieval for execution of client side applications

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 22. Document ID: US 6615199 B1

L6: Entry 22 of 67

File: USPT

Sep 2, 2003

US-PAT-NO: 6615199

DOCUMENT-IDENTIFIER: US 6615199 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Abstraction factory in a base services pattern environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 23. Document ID: US 6615166 B1

L6: Entry 23 of 67

File: USPT

Sep 2, 2003

US-PAT-NO: 6615166

DOCUMENT-IDENTIFIER: US 6615166 B1

TITLE: Prioritizing components of a network framework required for implementation of technology

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 24. Document ID: US 6614781 B1

L6: Entry 24 of 67

File: USPT

Sep 2, 2003

US-PAT-NO: 6614781

DOCUMENT-IDENTIFIER: US 6614781 B1

TITLE: Voice over data telecommunications network architecture

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

## □ 25. Document ID: US 6611867 B1

L6: Entry 25 of 67

File: USPT

Aug 26, 2003

US-PAT-NO: 6611867

DOCUMENT-IDENTIFIER: US 6611867 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System, method and article of manufacture for implementing a hybrid network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Draw Desc	Image
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## □ 26. Document ID: US 6606660 B1

L6: Entry 26 of 67

File: USPT

Aug 12, 2003

US-PAT-NO: 6606660

DOCUMENT-IDENTIFIER: US 6606660 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Stream-based communication in a communication services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Draw Desc	Image
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## □ 27. Document ID: US 6601234 B1

L6: Entry 27 of 67

File: USPT

Jul 29, 2003

US-PAT-NO: 6601234

DOCUMENT-IDENTIFIER: US 6601234 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Attribute dictionary in a business logic services environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 28. Document ID: US 6601192 B1

L6: Entry 28 of 67

File: USPT

Jul 29, 2003

US-PAT-NO: 6601192

DOCUMENT-IDENTIFIER: US 6601192 B1

TITLE: Assertion component in environment services patterns

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMPC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 29. Document ID: US 6578068 B1

L6: Entry 29 of 67

File: USPT

Jun 10, 2003

US-PAT-NO: 6578068

[http://westbrs:9000/bin/cgi-bin/accum\\_query.pl](http://westbrs:9000/bin/cgi-bin/accum_query.pl)

1/13/2006

DOCUMENT-IDENTIFIER: US 6578068 B1

TITLE: Load balancer in environment services patterns

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#) 30. Document ID: US 6571282 B1

L6: Entry 30 of 67

File: USPT

May 27, 2003

US-PAT-NO: 6571282

DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$

67

Display Format: [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[First](#) [Bfr](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

### Search Results - Record(s) 31 through 40 of 67 returned.

#### 31. Document ID: US 6571279 B1

L6: Entry 31 of 67

File: USPT

May 27, 2003

US-PAT-NO: 6571279

DOCUMENT-IDENTIFIER: US 6571279 B1

TITLE: Location enhanced information delivery system

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 32. Document ID: US 6560578 B2

L6: Entry 32 of 67

File: USPT

May 6, 2003

US-PAT-NO: 6560578

DOCUMENT-IDENTIFIER: US 6560578 B2

**\*\* See image for Certificate of Correction \*\***TITLE: Advertisement selection system supporting discretionary target market characteristics[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 33. Document ID: US 6550057 B1

L6: Entry 33 of 67

File: USPT

Apr 15, 2003

US-PAT-NO: 6550057

DOCUMENT-IDENTIFIER: US 6550057 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Piecemeal retrieval in an information services patterns environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

#### 34. Document ID: US 6549949 B1

L6: Entry 34 of 67

File: USPT

Apr 15, 2003

US-PAT-NO: 6549949

DOCUMENT-IDENTIFIER: US 6549949 B1

TITLE: Fixed format stream in a communication services patterns environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)

35. Document ID: US 6539396 B1

L6: Entry 35 of 67

File: USPT

Mar 25, 2003

US-PAT-NO: 6539396

DOCUMENT-IDENTIFIER: US 6539396 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Multi-object identifier system and method for information service pattern environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

 36. Document ID: US 6536037 B1

L6: Entry 36 of 67

File: USPT

Mar 18, 2003

US-PAT-NO: 6536037

DOCUMENT-IDENTIFIER: US 6536037 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Identification of redundancies and omissions among components of a web based architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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 37. Document ID: US 6529948 B1

L6: Entry 37 of 67

File: USPT

Mar 4, 2003

US-PAT-NO: 6529948

DOCUMENT-IDENTIFIER: US 6529948 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Multi-object fetch component

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

 38. Document ID: US 6529909 B1

L6: Entry 38 of 67

File: USPT

Mar 4, 2003

US-PAT-NO: 6529909

DOCUMENT-IDENTIFIER: US 6529909 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Method for translating an object attribute converter in an information services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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 39. Document ID: US 6519571 B1

L6: Entry 39 of 67

File: USPT

Feb 11, 2003

US-PAT-NO: 6519571

DOCUMENT-IDENTIFIER: US 6519571 B1

\*\* See image for Certificate of Correction \*\*TITLE: Dynamic customer profile management[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn Desc](#) | [Image](#) 40. Document ID: US 6502213 B1

L6: Entry 40 of 67

File: USPT

Dec 31, 2002

US-PAT-NO: 6502213

DOCUMENT-IDENTIFIER: US 6502213 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System, method, and article of manufacture for a polymorphic exception handler in environment services patterns

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn Desc](#) | [Image](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$

67

**Display Format:**

TI

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### Search Results - Record(s) 41 through 50 of 67 returned.

#### 41. Document ID: US 6496850 B1

L6: Entry 41 of 67

File: USPT

Dec 17, 2002

US-PAT-NO: 6496850

DOCUMENT-IDENTIFIER: US 6496850 B1

TITLE: Clean-up of orphaned server contexts

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#)

#### 42. Document ID: US 6477665 B1

L6: Entry 42 of 67

File: USPT

Nov 5, 2002

US-PAT-NO: 6477665

DOCUMENT-IDENTIFIER: US 6477665 B1

TITLE: System, method, and article of manufacture for environment services patterns in a netcentric environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#)

#### 43. Document ID: US 6477580 B1

L6: Entry 43 of 67

File: USPT

Nov 5, 2002

US-PAT-NO: 6477580

DOCUMENT-IDENTIFIER: US 6477580 B1

TITLE: Self-described stream in a communication services patterns environment

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#)

#### 44. Document ID: US 6473794 B1

L6: Entry 44 of 67

File: USPT

Oct 29, 2002

US-PAT-NO: 6473794

DOCUMENT-IDENTIFIER: US 6473794 B1

TITLE: System for establishing plan to test components of web based framework by displaying pictorial representation and conveying indicia coded components of existing network framework

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#)

## □ 45. Document ID: US 6460036 B1

L6: Entry 45 of 67

File: USPT

Oct 1, 2002

US-PAT-NO: 6460036

DOCUMENT-IDENTIFIER: US 6460036 B1

TITLE: System and method for providing customized electronic newspapers and target advertisements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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## □ 46. Document ID: US 6442748 B1

L6: Entry 46 of 67

File: USPT

Aug 27, 2002

US-PAT-NO: 6442748

DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 47. Document ID: US 6438594 B1

L6: Entry 47 of 67

File: USPT

Aug 20, 2002

US-PAT-NO: 6438594

DOCUMENT-IDENTIFIER: US 6438594 B1

TITLE: Delivering service to a client via a locally addressable interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 48. Document ID: US 6434628 B1

L6: Entry 48 of 67

File: USPT

Aug 13, 2002

US-PAT-NO: 6434628

DOCUMENT-IDENTIFIER: US 6434628 B1

TITLE: Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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## □ 49. Document ID: US 6434568 B1

L6: Entry 49 of 67

File: USPT

Aug 13, 2002

US-PAT-NO: 6434568

DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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**50. Document ID: US 6427132 B1**

L6: Entry 50 of 67

File: USPT

Jul 30, 2002

US-PAT-NO: 6427132

DOCUMENT-IDENTIFIER: US 6427132 B1

TITLE: System, method and article of manufacture for demonstrating E-commerce capabilities via a simulation on a network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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Terms

Documents

customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchas\$ and product\$

67

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

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### Search Results - Record(s) 51 through 60 of 67 returned.

#### 51. Document ID: US 6396963 B2

L6: Entry 51 of 67

File: USPT

May 28, 2002

US-PAT-NO: 6396963

DOCUMENT-IDENTIFIER: US 6396963 B2

TITLE: Photocollage generation and modification

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

#### 52. Document ID: US 6349290 B1

L6: Entry 52 of 67

File: USPT

Feb 19, 2002

US-PAT-NO: 6349290

DOCUMENT-IDENTIFIER: US 6349290 B1

TITLE: Automated system and method for customized and personalized presentation of products and services of a financial institution[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

#### 53. Document ID: US 6345239 B1

L6: Entry 53 of 67

File: USPT

Feb 5, 2002

US-PAT-NO: 6345239

DOCUMENT-IDENTIFIER: US 6345239 B1

TITLE: Remote demonstration of business capabilities in an e-commerce environment

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

#### 54. Document ID: US 6339832 B1

L6: Entry 54 of 67

File: USPT

Jan 15, 2002

US-PAT-NO: 6339832

DOCUMENT-IDENTIFIER: US 6339832 B1

TITLE: Exception response table in environment services patterns

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

## □ 55. Document ID: US 6332163 B1

L6: Entry 55 of 67

File: USPT

Dec 18, 2001

US-PAT-NO: 6332163

DOCUMENT-IDENTIFIER: US 6332163 B1

TITLE: Method for providing communication services over a computer network system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 56. Document ID: US 6298348 B1

L6: Entry 56 of 67

File: USPT

Oct 2, 2001

US-PAT-NO: 6298348

DOCUMENT-IDENTIFIER: US 6298348 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Consumer profiling system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 57. Document ID: US 6289382 B1

L6: Entry 57 of 67

File: USPT

Sep 11, 2001

US-PAT-NO: 6289382

DOCUMENT-IDENTIFIER: US 6289382 B1

TITLE: System, method and article of manufacture for a globally addressable interface in a communication services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
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## □ 58. Document ID: US 6236978 B1

L6: Entry 58 of 67

File: USPT

May 22, 2001

US-PAT-NO: 6236978

DOCUMENT-IDENTIFIER: US 6236978 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System and method for dynamic profiling of users in one-to-one applications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KRMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

## □ 59. Document ID: US 6216129 B1

L6: Entry 59 of 67

File: USPT

Apr 10, 2001

US-PAT-NO: 6216129

DOCUMENT-IDENTIFIER: US 6216129 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Advertisement selection system supporting discretionary target market characteristics[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#) 60. Document ID: US 6192319 B1

L6: Entry 60 of 67

File: USPT

Feb 20, 2001

US-PAT-NO: 6192319

DOCUMENT-IDENTIFIER: US 6192319 B1

TITLE: Statistical impact analysis computer system

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchass\$ and product\$

67

Display Format:

TI

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## Search Results - Record(s) 61 through 67 of 67 returned.

### 61. Document ID: US 6029195 A

L6: Entry 61 of 67

File: USPT

Feb 22, 2000

US-PAT-NO: 6029195

DOCUMENT-IDENTIFIER: US 6029195 A

TITLE: System for customized electronic identification of desirable objects

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Abstract](#) [Claims](#) [KIMC](#) [Drawn Desc](#) [Image](#)

### 62. Document ID: US 6026397 A

L6: Entry 62 of 67

File: USPT

Feb 15, 2000

US-PAT-NO: 6026397

DOCUMENT-IDENTIFIER: US 6026397 A

TITLE: Data analysis system and method

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Abstract](#) [Claims](#) [KIMC](#) [Drawn Desc](#) [Image](#)

### 63. Document ID: US 5963939 A

L6: Entry 63 of 67

File: USPT

Oct 5, 1999

US-PAT-NO: 5963939

DOCUMENT-IDENTIFIER: US 5963939 A

TITLE: Method and apparatus for an incremental editor technology

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Abstract](#) [Claims](#) [KIMC](#) [Drawn Desc](#) [Image](#)

### 64. Document ID: US 5913164 A

L6: Entry 64 of 67

File: USPT

Jun 15, 1999

US-PAT-NO: 5913164

DOCUMENT-IDENTIFIER: US 5913164 A

TITLE: Conversion system used in billing system for mobile satellite system

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Abstract](#) [Claims](#) [KIMC](#) [Drawn Desc](#) [Image](#)

## □ 65. Document ID: US 5835087 A

L6: Entry 65 of 67

File: USPT

Nov 10, 1998

US-PAT-NO: 5835087

DOCUMENT-IDENTIFIER: US 5835087 A

TITLE: System for generation of object profiles for a system for customized electronic identification of desirable objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	...	...	...	Claims	KMPC	Draw Desc	Image
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## □ 66. Document ID: US 5754939 A

L6: Entry 66 of 67

File: USPT

May 19, 1998

US-PAT-NO: 5754939

DOCUMENT-IDENTIFIER: US 5754939 A

TITLE: System for generation of user profiles for a system for customized electronic identification of desirable objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	...	...	...	Claims	KMPC	Draw Desc	Image
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## □ 67. Document ID: US 5754938 A

L6: Entry 67 of 67

File: USPT

May 19, 1998

US-PAT-NO: 5754938

DOCUMENT-IDENTIFIER: US 5754938 A

TITLE: Pseudonymous server for system for customized electronic identification of desirable objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	...	...	...	Claims	KMPC	Draw Desc	Image
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Terms

Documents

customer near5 profile\$ and character\$ and vector\$ and (unique near3 id or unique near3 identif\$) and purchass\$ and product\$

67

Display Format:

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Terms used customer profile unique identification purchase records product characterization vector consumer vector

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 Relevance scale 
**1** [KDD-Cup 2000 organizers' report: peeling the onion](#)
 Ron Kohavi, Carla E. Brodley, Brian Frasca, Llew Mason, Zijian Zheng  
 December 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 2

Publisher: ACM Press

 Full text available:  [pdf\(855.71 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)


**Keywords:** KDD-Cup, best practices, competition, data cleansing, data mining, e-commerce, insight, peeling the onion, real-world data

**2** [I<sub>DDX</sub>-based test methods: A survey](#)
 Sagar S. Sabade, Duncan M. Walker  
 April 2004 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 9 Issue 2

Publisher: ACM Press

 Full text available:  [pdf\(1.83 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Supply current measurement-based test is a valuable defect-based test method for semiconductor chips. Both static leakage current ( $I_{DDQ}$ ) and transient current ( $I_{DDT}$ ) based tests have the capability of detecting unique defects that improve the fault detection capacity of a test suite. Collectively these test methods are known as  $I_{DDX}$  tests. However, due to advances in the semiconductor manufacturing process, the future of these test methods is uncertain. This paper ...

**Keywords:**  $I_{DDQ}$ ,  $I_{DDT}$  test, VLSI testing, test

**3** [PocketLens: Toward a personal recommender system](#)
 Bradley N. Miller, Joseph A. Konstan, John Riedl  
 July 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 3

Publisher: ACM Press

 Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Recommender systems using collaborative filtering are a popular technique for reducing information overload and finding products to purchase. One limitation of current recommenders is that they are not portable. They can only run on large computers connected to the Internet. A second limitation is that they require the user to trust the owner of the recommender with personal preference data. Personal recommenders hold

the promise of delivering high quality recommendations on palmtop computers, e ...

**Keywords:** Collaborative Filtering, Peer-to-Peer Networking, Privacy, Recommender Systems

#### 4 Security of statistical databases: multidimensional transformation

 Jan Schlörer

March 1981 **ACM Transactions on Database Systems (TODS)**, Volume 6 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(1.33 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The concept of multidimensional transformation of statistical databases is described. A given set of statistical output may be compatible with more than one statistical database. A transformed database  $D'$  is a database which (1) differs from the original database  $D$  in its record content, but (2) produces, within certain limits, the same statistical output as the original database. For a transformable database  $D$  there are two options: One ma ...

**Keywords:** confidentiality, database, database security, matrices, security, statistical database

#### 5 VAGUE: a user interface to relational databases that permits vague queries

 Amihai Motro

July 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(2.16 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A specific query establishes a rigid qualification and is concerned only with data that match it precisely. A vague query establishes a target qualification and is concerned also with data that are close to this target. Most conventional database systems cannot handle vague queries directly, forcing their users to retry specific queries repeatedly with minor modifications until they match data that are satisfactory. This article describes a system called VAGUE that can handle vague queries ...

#### 6 Collaborative Filtering: Collaborative filtering with privacy via factor analysis

 John Canny

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

**Publisher:** ACM Press

Full text available:  pdf(168.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Collaborative filtering (CF) is valuable in e-commerce, and for direct recommendations for music, movies, news etc. But today's systems have several disadvantages, including privacy risks. As we move toward ubiquitous computing, there is a great potential for individuals to share all kinds of information about places and things to do, see and buy, but the privacy risks are severe. In this paper we describe a new method for collaborative filtering which protects the privacy of individual data. Th ...

**Keywords:** CSCW, collaborative filtering, missing data, personalization, privacy, recommender systems, sparse, surveys

#### 7 Modeling the performance of limited pointers directories for cache coherence

 Richard Simoni, Mark Horowitz

April 1991 **ACM SIGARCH Computer Architecture News, Proceedings of the 18th annual international symposium on Computer architecture ISCA '91**, Volume 19 Issue 3

Publisher: ACM Press

Full text available:  pdf(1.09 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**8 Intermodule protocol for register transfer level modules: representation and analytic**  tools

W. H. Huen, D. P. Siewiorek

December 1974 **ACM SIGARCH Computer Architecture News , Proceedings of the 2nd annual symposium on Computer architecture ISCA '75**, Volume 3 Issue 4

Publisher: ACM Press

Full text available:  pdf(634.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

A distinguishing feature of modular design from ad hoc design is the establishment of an intermodule protocol to which all modules adhere. The problem of representing and analyzing intermodule protocol for the control portion of register transfer level systems is outlined. An introduction to two existing graph models of computation indicates that existing register transfer level module sets are representable by various "token flow" models. A single model that is capable of representing the token ...

**9 Information retrieval session 8: efficiency: Online duplicate document detection:**  signature reliability in a dynamic retrieval environment

Jack G. Conrad, Xi S. Guo, Cindy P. Schriber

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available:  pdf(215.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As online document collections continue to expand, both on the Web and in proprietary environments, the need for duplicate detection becomes more critical. Few users wish to retrieve search results consisting of sets of duplicate documents, whether identical duplicates or close matches. Our goal in this work is to investigate the phenomenon and determine one or more approaches that minimize its impact on search results. Recent work has focused on using some form of signature to characterize a do ...

**Keywords:** data management, doc signatures, duplicate document detection

**10 The pixel machine: a parallel image computer**  Michael Potmesil, Eric M. HoffertJuly 1989 **ACM SIGGRAPH Computer Graphics , Proceedings of the 16th annual conference on Computer graphics and interactive techniques SIGGRAPH '89**, Volume 23 Issue 3

Publisher: ACM Press

Full text available:  pdf(3.12 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

We describe the system architecture and the programming environment of the Pixel Machine - a parallel image computer with a distributed frame buffer. The architecture of the computer is based on an array of asynchronous MIMD nodes with parallel access to a large frame buffer. The machine consists of a pipeline of *pipe nodes* which execute sequential algorithms and an array of  $m \times n$  pixel nodes which execute parallel algorithms. A *pixel node* directly accesses e ...

**11 B2B e-commerce and enterprise integration: Using PACT in an e-commerce recommendation system**  Yukun Bao, Hua Zou, Jinlong ZhangAugust 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**

Publisher: ACM Press

Full text available: Additional Information:

 pdf(363.40 KB)[full citation](#), [abstract](#), [references](#)

Recommendation systems are usually used in E-commerce sites to suggest products to their customers and to provide consumers with information to help them decide which products to be purchased. Many different approaches including web usage mining have been applied to the basic problem of developing accurate and efficient recommendation systems. This paper presents the application of Profile Aggregations based on Clustering Transactions (PACT), a widely used techniques in web usage mining, in desi ...

**Keywords:** PACT, e-commerce, recommendation systems, web usage mining

**12** [The KScalar simulator](#) 

 J. C. Moure, Dolores I. Rexachs, Emilio Luque

March 2002 **Journal on Educational Resources in Computing (JERIC)**, Volume 2 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(493.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Modern processors increase their performance with complex microarchitectural mechanisms, which makes them more and more difficult to understand and evaluate. KScalar is a graphical simulation tool that facilitates the study of such processors. It allows students to analyze the performance behavior of a wide range of processor microarchitectures: from a very simple in-order, scalar pipeline, to a detailed out-of-order, superscalar pipeline with non-blocking caches, speculative execution, and comp ...

**Keywords:** Education, pipelined processor simulator

**13** [Session 7A: Bounded-concurrent secure multi-party computation with a dishonest majority](#) 

 Rafael Pass

June 2004 **Proceedings of the thirty-sixth annual ACM symposium on Theory of computing**

**Publisher:** ACM Press

Full text available:  pdf(246.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We show how to securely realize any multi-party functionality in a way that preserves security under an a-priori bounded number of concurrent executions, regardless of the number of corrupted parties. Previous protocols for the above task either rely on set-up assumptions such as a Common Reference String, or require an honest majority. Our constructions are in the plain model and rely on standard intractability assumptions (enhanced trapdoor permutations and collision resistant hash functions). ...

**Keywords:** concurrent composition, constant-round protocols, secure multi-party computation, simulation-sound zero-knowledge

**14** [Data cache performance of supercomputer applications](#) 

David Callahan, Allan Porterfield

November 1990 **Proceedings of the 1990 ACM/IEEE conference on Supercomputing**

**Publisher:** IEEE Computer Society

Full text available:  pdf(997.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Processor speed has been increasing faster than mass memory speed. One method of matching a processor's speed to memory's is high-speed caches. This paper examines the data cache performance of a set of computationally intensive programs. Our interest in measuring cache performance arises from an interest in improving the performance of program during compilation. We observed that the data caches contained the values for between 45% and 99+% of the array accesses, depending on the cache and the ...

**15** [Analysis of lexical signatures for improving information persistence on the World Wide Web](#)

 **Wide Web**

Seung-Taek Park, David M. Pennock, C. Lee Giles, Robert Krovetz  
 October 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(808.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A <i>lexical signature</i> (LS) consisting of several key words from a Web document is often sufficient information for finding the document later, even if its URL has changed. We conduct a large-scale empirical study of nine methods for generating lexical signatures, including Phelps and Wilensky's original proposal (PW), seven of our own static variations, and one new dynamic method. We examine their performance on the Web over a 10-month period, and on a TREC data set, evaluating t ...

**Keywords:** Broken URLs, TREC, World Wide Web, dead links, digital libraries, indexing, information retrieval, inverse document frequency, lexical signatures, robust hyperlinks, search engines, term frequency

16 [A microprogrammed keyword transformation unit for a database computer](#) 

 Krishnamurthi Kannan, David K. Hsiao, Douglas S. Kerr  
 September 1977 **ACM SIGMICRO Newsletter, Proceedings of the 10th annual workshop on Microprogramming MICRO 10**, Volume 8 Issue 3

**Publisher:** IEEE Press, ACM Press

Full text available:  [pdf\(705.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of a microprogrammable microprocessor-based keyword transformation unit for a database computer(DBC) is described. The DBC, a specialized back-end computer capable of managing 10<sup>9</sup> - 10<sup>10</sup> bytes of data, consists of two loops of memories and processors, the structure loop and the data loop, connected through a database command and control processor (DBCCP). The structure loop is used to retrieve and update the large amount (10

17 [A Survey of Analysis Techniques for Discrete Algorithms](#) 

 Bruce Weide  
 December 1977 **ACM Computing Surveys (CSUR)**, Volume 9 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(2.23 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 [Fault-local distributed mending \(extended abstract\)](#) 

 Shay Kutten, David Peleg  
 August 1995 **Proceedings of the fourteenth annual ACM symposium on Principles of distributed computing**

**Publisher:** ACM Press

Full text available:  [pdf\(884.07 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

19 [Mining a stream of transactions for customer patterns](#) 

 Diane Lambert, José C. Pinheiro  
 August 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining**

**Publisher:** ACM Press

Full text available:  [pdf\(532.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Transaction data can arrive at a ferocious rate in the order that transactions are completed. The data contain an enormous amount of information about *customers*, not just transactions, but extracting up-to-date customer information from an ever changing stream of data and mining it in real-time is a challenge. This paper describes a

statistically principled approach to designing short, accurate summaries or *signatures* of high dimensional customer behavior that can be kept current w ...

**Keywords:** Approximate queries, customer profiles, dynamic database, histograms, incremental updates, massive data, signatures

**20** Industry/government track papers: Predicting customer shopping lists from point-of-sale purchase data 

Chad Cumby, Andrew Fano, Rayid Ghani, Marko Krema

August 2004 **Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '04**

Publisher: ACM Press

Full text available:  [pdf\(286.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a prototype that predicts the shopping lists for customers in a retail store. The shopping list prediction is one aspect of a larger system we have developed for retailers to provide individual and personalized interactions with customers as they navigate through the retail store. Instead of using traditional personalization approaches, such as clustering or segmentation, we learn separate classifiers for each customer from historical transactional data. This allows us to ma ...

**Keywords:** POS data, applications, classification, machine learning

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Terms used **customer profile** **unique identification** **purchase records** **product characterization** **vector consumer vector**

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**21 1 - Regular Articles: A performance study of data layout techniques for improving**

**data locality in refinement-based pathfinding**

Robert Niewiadomski, José Nelson Amaral, Robert C. Holte

 April 2005 **Journal of Experimental Algorithms (JEA)**, Volume 9 Issue 6

Publisher: ACM Press

 Full text available:  [pdf\(1.46 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The widening gap between processor speed and memory latency increases the importance of crafting data structures and algorithms to exploit temporal and spatial locality. Refinement-based pathfinding algorithms, such as Classic Refinement (CR), find quality paths in very large sparse graphs where traditional search techniques fail to generate paths in acceptable time. In this paper, we present a performance evaluation study of three simple data structure transformations aimed at improving the dat ...

**Keywords:** Cache-conscious algorithms, classical refinement, pathfinding

**22 Studying users: A graph-based recommender system for digital library**

**Zan Huang, Wingyan Chung, Thian-Huat Ong, Hsinchun Chen**

 July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

 Full text available:  [pdf\(435.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Research shows that recommendations comprise a valuable service for users of a digital library [11]. While most existing recommender systems rely either on a content-based approach or a collaborative approach to make recommendations, there is potential to improve recommendation quality by using a combination of both approaches (a hybrid approach). In this paper, we report how we tested the idea of using a graph-based recommender system that naturally combines the content-based and collaborative ...

**Keywords:** Hopfield net algorithm, chinese phrase extraction, collaborative filtering, content-based filtering, graph-based model, mutual information algorithm, recommender system

**23 Analysis of recommendation algorithms for e-commerce**

**Badrul Sarwar, George Karypis, Joseph Konstan, John Riedl**

 October 2000 **Proceedings of the 2nd ACM conference on Electronic commerce**

Publisher: ACM Press

Full text available:  pdf(463.39 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**24 Extending TPC-W to allow for fine grained workload specification**  Christian Kurz, Carlos Guerrero, Günter HaringJuly 2005 **Proceedings of the 5th international workshop on Software and performance WOSP '05****Publisher:** ACM PressFull text available:  pdf(160.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper presents a method to characterize workload from a web server logfile from a user perspective. The data obtained in this process is used to create workload for the TPC-W benchmark.

**Keywords:** benchmark, capacity planning, user modeling, web performance

**25 Discovering unexpected information from your competitors' web sites**  Bing Liu, Yiming Ma, Philip S. YuAugust 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining****Publisher:** ACM PressFull text available:  pdf(1.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Ever since the beginning of the Web, finding useful information from the Web has been an important problem. Existing approaches include keyword-based search, wrapper-based information extraction, Web query and user preferences. These approaches essentially find information that matches the user's explicit specifications. This paper argues that this is insufficient. There is another type of information that is also of great interest, i.e., unexpected information, which is unanticipated by the user ...

**Keywords:** Information interestingness, Web comparison, Web mining

**26 Item-based collaborative filtering recommendation algorithms**  Badrul Sarwar, George Karypis, Joseph Konstan, John ReidlApril 2001 **Proceedings of the 10th international conference on World Wide Web****Publisher:** ACM PressFull text available:  pdf(257.68 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**27 Implementation of an APL—based spreadsheet manager**  Tom PuckettJanuary 1987 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL: APL in transition APL '87**, Volume 17 Issue 4**Publisher:** ACM PressFull text available:  pdf(1.13 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the implementation of the STSC Spreadsheet Manager for users of STSC's APL\*PLUS® PC System. The discussion is primarily from the standpoint of the product's internal workings. Important aspects are selection and interfacing of the languages to be used in the implementation (APL, C, and assembler), compatibility with Lotus® data structures, mappings between data in the APL and Lotus environments, manipulation of data in a spreadsheet context, and separation of fu ...

**28 On the syntactic analysis of figures** 

Theodosios Pavlidis

January 1968 **Proceedings of the 1968 23rd ACM national conference**

 **Publisher:** ACM PressFull text available:  [pdf\(349.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many investigators have made use of syntactic analysis of figures for pattern recognition purposes during the recent years. Also a general theory of pattern analysis has been formulated recently by Grenander. Most of the earlier investigators concentrated their attention on the problem of line patterns, namely figures which could be composed by thin lines. Such is the case, for example, of the bubble chamber photographs. This paper attempts to develop a similar analysis for the case of set ...

**29 Semantic discrimination analysis for feature selection**  James F. Baldwin, Trevor P. Martin, Christiane PonsanMarch 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 1****Publisher:** ACM PressFull text available:  [pdf\(462.14 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**30 Third Generation Computer Systems**  Peter J. DenningDecember 1971 **ACM Computing Surveys (CSUR)**, Volume 3 Issue 4**Publisher:** ACM PressFull text available:  [pdf\(3.52 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The common features of third generation operating systems are surveyed from a general view, with emphasis on the common abstractions that constitute at least the basis for a "theory" of operating systems. Properties of specific systems are not discussed except where examples are useful. The technical aspects of issues and concepts are stressed, the nontechnical aspects mentioned only briefly. A perfunctory knowledge of third generation systems is presumed.

**31 An algorithm for high accuracy name pronunciation by parametric speech synthesizer**  Tony VitaleSeptember 1991 **Computational Linguistics**, Volume 17 Issue 3**Publisher:** MIT PressFull text available:   [pdf\(1.50 MB\)](#) [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Automatic and accurate pronunciation of personal names by parametric speech synthesizer has become a crucial limitation for applications within the telecommunications industry, since the technology is needed to provide new automated services such as reverse directory assistance (number to name). Within text-to-speech technology, however, it was not possible to offer such functionality. This was due to the inability of a text-to-speech device optimized for a specific language (e.g., American English) ...

**32 Program optimization - theory and practice**  David B. Loveman, Ross A. FaneufJanuary 1975 **ACM SIGPLAN Notices , Proceedings of the conference on Programming languages and compilers for parallel and vector machines**, Volume 10 Issue 3**Publisher:** ACM PressFull text available:  [pdf\(555.38 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The conventional program optimization techniques employed by the ILLIAC FORTRAN compiler are general purpose, effective, and efficient. The underlying theory is applicable to FORTRAN and to other high level languages. A unique approach to the gathering of global set and use information about variables as well as careful software engineering of

the algorithms has led to the construction of an effective source-to-source optimizer which performs constant propagation, constant computation, comm ...

**33 A distributed algorithm for graphic objects replication in real-time group editors**

 David Chen, Chengzheng Sun

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

**Publisher:** ACM Press

Full text available:  [pdf\(1.28 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Real-time collaborative editing systems are groupware systems that allow multiple users to edit the same document at the same time from multiple sites. A specific type of collaborative editing system is the object-based collaborative graphics editing system. One of the major challenge in building such systems is to solve the concurrency control problems. This paper addresses the concurrency control problem of how to preserve the intentions of concurrently generated operations whose ...

**Keywords:** collaborative editing, concurrency control, consistency maintenance, distributed computing, graphics editing

**34 Reports from KDD-2001: KDD Cup 2001 report**

 Jie Cheng, Christos Hatzis, Hisashi Hayashi, Mark-A. Krogel, Shinichi Morishita, David Page, Jun Sese

January 2002 **ACM SIGKDD Explorations Newsletter**, Volume 3 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.96 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper presents results and lessons from KDD Cup 2001. KDD Cup 2001 focused on mining biological databases. It involved three cutting-edge tasks related to drug design and genomics.

**Keywords:** Competition, biology, drug design, genomics

**35 Symmetric Multiprocessing on Programmable Chips Made Easy**

Austin Hung, William Bishop, Andrew Kennings

March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 1**

**Publisher:** IEEE Computer Society

Full text available:  [pdf\(181.58 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Vendor-provided softcore processors often support advanced features such as caching that work well in uniprocessor or uncoupled multiprocessor architectures. However, it is a challenge to implement Symmetric Multiprocessor on a Programmable Chip (SMPoPC) systems using such processors. This paper presents an implementation of a tightly-coupled, cache-coherent symmetric multiprocessing architecture using a vendor-provided softcore processor. Experimental results show that this implementation can be ...

**36 GDOC 4: Designing UML diagrams for technical documentation: continuing the collaborative approach to publishing class diagrams**

 Neil MacKinnon, Steve Murphy

October 2004 **Proceedings of the 22nd annual international conference on Design of communication: The engineering of quality documentation**

**Publisher:** ACM Press

Full text available:  [pdf\(387.19 KB\)](#)

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This paper provides an updated discussion of the authors' ongoing efforts in developing a design framework for UML diagrams in technical documentation.

UML diagrams are a key part of program design. They can enhance understanding of complex programming concepts, and assist in problem analysis and solution design. In a previous paper, "Designing UML diagrams for technical documentation" [1], the authors presented a collaborative process that applies established design principles to UML ...

**Keywords:** UML diagrams, documentation, graphic design, guidelines, human factors, unified modeling language, visualization

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IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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